

L-type Ca⁺⁺ CP gamma 5 Polyclonal Antibody | anti-CACNG5 antibody

L-type Ca⁺⁺ CP gamma 5 Polyclonal Antibody

CATALOG # AAA267990	REACTIVITY Human; Mouse; Rat	APPLICATIONS Immunohistochemistry, Western Blot
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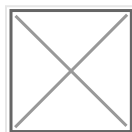
PRODUCT SYNONYMS

L-type Ca⁺⁺ CP gamma 5; Polyclonal Antibody; L-type Ca⁺⁺ CP gamma 5 Polyclonal Antibody; CACNG5; Voltage-dependent calcium channel gamma-5 subunit; Neuronal voltage-gated calcium channel gamma-5 subunit; Transmembrane AMPAR regulatory protein gamma-5; TARP gamma-5; YM3405; anti-CACNG5 antibody

PRODUCT SPECIFICATIONS

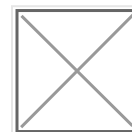
Reactivity	Human; Mouse; Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous L-type Ca ⁺⁺ CP γ5 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.
Sequence Length	275
Applicable Applications for anti-CACNG5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Synthetic Peptide of L-type Ca ⁺⁺ CP γ5
Source	Polyclonal, Rabbit,IgG
Fields	>>MAPK signaling pathway;>>Cardiac muscle contraction;>>Adrenergic signaling in cardiomyocytes;>>Oxytocin signaling pathway;>>Hypertrophic cardiomyopathy;>>Arrhythmogenic right ventricular cardiomyopathy;>>Dilated cardiomyopathy
Function	Thought to stabilize the calcium channel in an inactivated (closed) state.,similarity:Belongs to the PMP-22/EMP/MP20 family. CACNG subfamily.,subunit:The L-type calcium channel is composed of five subunits: alpha-1, alpha-2/delta, beta and gamma.
Subcellular Location	Membrane ; Multi-pass membrane protein . Cell junction, synapse, postsynaptic density membrane .
Expression	Brain cortex,Thalamus,
Preparation and Storage	-20°C/1 year

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using L-type Ca⁺⁺ CP γ5 Polyclonal Antibody.



WB (Western Blot)

Western blot analysis of 1) Human Brain Tissue, 2) Mouse Brain Tissue, 3) Rat Brain Tissue using L-type Ca⁺⁺ CP γ5 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

ADDITIONAL INFORMATION

Related Product Information for anti-CACNG5 antibody	Background:calcium voltage-gated channel auxiliary subunit gamma 5(CACNG5) Homo sapiens The protein encoded by this gene is a type II transmembrane AMPA receptor regulatory protein (TARP). TARPs regulate both trafficking and channel gating of the AMPA receptors. This gene is part of a functionally diverse eight-member protein subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two family members, a type I TARP and a calcium channel gamma subunit. This gene is a susceptibility locus for schizophrenia and bipolar disorder. [provided by RefSeq, Dec 2010].
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22027551
NCBI GeneID	27091
NCBI Accession #	NP_665810.1
NCBI GenBank Nucleotide #	NM_145811.2
UniProt Accession #	Q9UF02; Q547R3; Q8WXS7; Q9UHM3; A8K2A6
Molecular Weight	Observed Band(KD): 35
NCBI Official Full Name	voltage-dependent calcium channel gamma-5 subunit
NCBI Official Synonym Full Names	calcium voltage-gated channel auxiliary subunit gamma 5
NCBI Official Symbol	CACNG5
NCBI Protein Information	voltage-dependent calcium channel gamma-5 subunit
UniProt Protein Name	Voltage-dependent calcium channel gamma-5 subunit
UniProt Gene Name	CACNG5
UniProt Synonym Gene Names	TARP gamma-5

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/i-type-ca-cp-gamma-5-antibody-immunohistochemistry-western-blot-elisa/267990>